



ANNOUNCEMENT FOR OPEN TESTING
Research Scientist V (Microbiological Sciences)

Final Filing Date: **June 4, 2004**
Bulletin Release Date: May 7, 2004

LR29 -5634 4HA33-04



California State Government supports equal opportunity to all regardless of race, color, creed, national origin, ancestry, gender, marital status, disability, religious or political affiliation, age, or sexual orientation. It is an objective of the State of California to achieve a drug-free work place. Any applicant for state employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the state, the rules governing civil service, and the special trust placed in public servants.

WHO SHOULD APPLY: Persons who meet the minimum qualifications (entrance requirements) as stated on this announcement should apply. This is an open examination. Applications will not be processed on a promotional basis and career credits do not apply.

HOW TO APPLY: To learn more about the examination and testing arrangements, contact the testing office shown below. Applications are available and may be filed in person or by mail with:

DEPARTMENT OF HEALTH SERVICES (916) 552-8340
SELECTION UNIT
In Person: 1501 Capitol Avenue, Suite 1501
By Mail: MS 1300-1302
P.O. Box 997411
Sacramento, CA 95899-7411

DO NOT SUBMIT APPLICATIONS TO THE STATE PERSONNEL BOARD

CROSS FILING INFORMATION: If you meet the entrance requirements for this classification and for Research Scientist V (Chemical Sciences), Research Scientist V (Epidemiology/Biostatistics), Research Scientist V (Food and Drug Sciences), Research Scientist V (Physical/Engineering Sciences), Research Scientist V (Social/Behavioral Sciences), or Research Scientist V (Veterinary Sciences) scheduled at the same time, you may file for multiple examinations on a single application. You must indicate the class title(s) for each examination you are applying on the application Form STD. 678.

FINAL FILING DATE: Applications and responses to the supplemental items must be submitted by **June 4, 2004**, the final filing date. Applications and/or supplemental responses postmarked, personally delivered, or received via interoffice mail after the filing deadline will not be accepted.

SALARY RANGES: \$6850 - \$8327 per month.

POSITION DESCRIPTION: Under administrative direction, incumbents conceive, plan, organize, and direct the most difficult, advanced, complex, and highly original scientific research studies; provide leadership and coordinate scientific research studies and scientific investigations involving local, State, and Federal public health agencies; and make original, independent decisions on complex scientific problems using scientific theories and principles on association and risk, and develop and test hypotheses on causes. The work complexity at this level has special significance for the establishment of State and national public health policy and legislation. Incumbents provide advice and guidance to management on matters of such difficulty and controversy that leading experts disagree as to the proper scientific approach; act as subject-matter and technical experts and serve as the highest level scientific expert for the department based on personal scientific reputation; consult with department management and others in areas appropriate to their qualifications and participate in the development of public health policy; provide scientific support and direction for the legal, legislative, and regulatory actions that occur in public health policy development; provide scientific presentations to State and national public health experts and the community on scientific research conducted and also publish this research in scientific journals; and perform other related work. Incumbents work independently and provide interpretation of research findings for use in public health policy development by upper management.

Incumbents in the Microbiological Sciences parenthetical are distinguished from other Research Scientists by being required to analyze and draw conclusions from research studies of the microbial, viral, and immunologic aspects of infectious diseases. Work in a subspecialty requires broad knowledge in a specific area of bacteriology, parasitology, mycology, virology, microscopy, molecular biology/microbial genetics, food, and water microbiology. Research study conclusions are used to improve detection and identification of infectious disease-causing microorganisms; define mechanisms and modes of infectious disease transmission; identify mechanisms of tissue injury; support improved investigation of infectious disease outbreaks; and improve methods to prevent infectious disease transmission.

Positions exist with the Department of Health Services in Berkeley, Los Angeles, and Richmond.

REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION: It is your responsibility to make sure you meet the education and/or experience requirements stated on this announcement by **June 4, 2004**, the final filing date. Your signature on your application indicates that you have read, understood, and possess the basic qualifications required.

NOTE: Applications/resumes **must** include "to" and "from" dates (month/day/year), time base, civil service class title(s), and range (if applicable) for all work experience. College course information **must** include title, number of semester or quarter units, name of institution, completion dates, and degree (if applicable).

Applications/resumes received without this information will be rejected.

MINIMUM QUALIFICATIONS: Qualifying experience may be combined on a proportionate basis if the following requirements include more than one pattern and are distinguished as Either I, or II, or III, etc.

Either I

Experience: Two years of experience in the California state service performing scientific research duties comparable to those of a Research Scientist IV or Research Scientist Supervisor I in the stated specialty or a closely related field. (Possession of a recognized professional Board certification in the stated specialty or possession of a master's degree in Public Health or preventative medicine may be substituted for one year of the required experience.) and
Education: Possession of a doctoral degree in the stated specialty or in a closely related field or a degree of Doctor of Medicine.

Or II

Experience: Broad and extensive experience (more than five years) in research or scientific investigation experience in the stated specialty or in a closely related field. This experience must have included major responsibility for the design, conduct, and analysis of a large or highly complex and difficult research project or scientific investigation, including preparation of major reports and scientific publications. (Possession of a recognized professional Board certification in the stated specialty or possession of a master's degree in Public Health or preventative medicine may be substituted for two years of the required experience.) At least two years of this experience must be at a level of responsibility equivalent to that of a Research Scientist IV or Research Scientist Supervisor I. and
Education: Possession of a doctoral degree in the stated specialty or in a closely related field.

Or III

Experience: Broad and extensive research experience (more than five years) in a field of medical specialization relevant to the stated specialty or in a closely related field. This experience must have included major responsibility for design, conduct, and analysis of complex research, or responsibility for the administration and coordination of large, complex multidisciplinary, or multi-institutional research programs. At least two years of this experience must be at a level of responsibility equivalent to that of a Research Scientist IV or Research Scientist Supervisor I. and
Education: Possession of the degree of Doctor of Medicine.

The required education degree for all patterns must have been obtained from a recognized U.S. university or from a foreign university approved by the Bureau of Private Postsecondary and Vocational Education under the provision of California Education Code Chapter 3, Part 59, Division 10.

EXAMINATION INFORMATION: The examination will consist of a Supplemental Application that is weighted 100%. Applicants are required to respond to the following six supplemental items. These supplemental items are designed to identify job achievement in specific areas that demonstrates ability to successfully perform at the Research Scientist V (Microbiological Sciences) level. Responses to the supplemental items will be assessed based on predetermined job-related rating criteria. In appraising the relative qualifications of candidates, consideration will be given to the extent and type of pertinent experience and education over and above that required under the minimum qualifications.

SUPPLEMENTAL APPLICATION ITEMS: Each applicant for this examination **must** complete and submit his/her responses to all six supplemental items that follow. Supplemental responses and your application **must** be postmarked, personally delivered, or received via interoffice mail by **June 4, 2004**, the final filing date. **You must submit separate supplemental responses and Curriculum Vitae for each class title.** Applications received without responses to the supplemental items will be rejected.

INSTRUCTIONS: When responding to the supplemental items, please follow these guidelines:

- Responses must be typewritten or generated by word processing on 8½" X 11" paper.
- Responses must be limited to one page per item.
- Identify each page with your full name.
- Make sure your responses are complete, specific, clear, and concise.

- Answer each numbered item separately indicating the corresponding item number for each response. You may include multiple responses on a single page.
- Include place of employment, pertinent dates, duties performed, etc., when responding to items.
- In the event that one particular job contained responsibilities applicable to several items, separate the different functions of the job in order to respond to all items completely.

You must submit separate supplemental responses and Curriculum Vitae for each class title.

SUPPLEMENTAL ITEMS

1. Describe your experience in performing advanced, complex and original public health research studies or investigations. Include in your response:
 - ◆ Purpose of scientific research or investigations
 - ◆ Independence of your actions
 - ◆ Technical information analyzed and steps used in conducting research or investigation
 - ◆ Scientific recommendations
 - ◆ Measurements of success
 2. Describe your experience in performing as a scientific subject matter expert contributing to the development of public health policy. Include in your response:
 - ◆ Types of public health issues analyzed
 - ◆ Frequency of scientific consultation
 - ◆ Independence of your actions
 - ◆ Public health impact of your recommendations
 - ◆ Measurements of success
 3. Describe your experience in presenting scientific research, investigations or other public health information to both scientific peer groups and lay public audiences. Include in your response:
 - ◆ Purpose of scientific information
 - ◆ Scientific data sources used
 - ◆ Independence of action
 - ◆ Audience size and composition for presentation (scientific peers, government agencies, and the public)
 - ◆ Measurements of success
 4. Describe your experience in publishing scientific research, investigations or other public health information in scientific journals or lay public publications. Include in your response:
 - ◆ Purpose of scientific information
 - ◆ Scientific data sources used
 - ◆ Independence of action
 - ◆ Frequency of scientific publications (once, twice)
 - ◆ Measurements of success
 5. Describe your experience performing as a scientific leader and liaison while working with private, state, local, or federal agencies. Include in your response:
 - ◆ Description of public health research or scientific investigation workload
 - ◆ Your role and responsibilities
 - ◆ Number of team participants or liaison contacts
 - ◆ Scientific knowledge level of team or liaison contacts
 - ◆ Scientific solutions that you developed or coordinated
 6. Describe your academic professional education that is relevant to the Research Scientist classification. Include in your response:
 - ◆ Any additional education beyond the doctoral level, such as master's in preventive medicine or public health.
 - ◆ For doctoral level academic education, please identify your area of academic education and the title of your thesis. Describe the research problem you evaluated and the conclusions of your research.
 - ◆ For doctoral level professional education, please identify residency training or other professional training programs that you completed. Include board or other certifications you possess.
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ELIGIBLE LIST INFORMATION: In order to obtain a position on the eligible list, a minimum rating of 70% must be attained. A departmental open list will be established for use by the department(s) listed on this announcement. The list will expire 24 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.

VETERANS PREFERENCE: Veterans preference credits will not be granted in this examination since it does not qualify as an entrance examination.

GENERAL INFORMATION

Applications are available at the State Personnel Board office, through the Internet at <http://www.spb.ca.gov>, at local offices of the Employment Development Department, and at the department noted on this announcement.

If you meet the requirements stated on this announcement, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. All successful candidates will be ranked according to their final scores.

The Department of Health Services reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service law and rules, and all competitors will be notified.

Eligible Lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) service-wide promotional, 5) departmental open, and 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in from one to four years unless otherwise stated on this announcement.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD device.

The California Relay (Telephone) Service for the deaf or hearing Impaired:

MCI from TDD: 1-800-735-2929 MCI from voice telephone: 1-800-735-2922

Sprint from TDD: 1-888-877-5378 Sprint from voice telephone: 1-888-877-5379